Nudgee Beach Environmental Education Centre in support of Senior Geography

Senior Geography (2019 syllabus v1.2)

This program supports senior geography students completing unit 3, topic 2 (Responding to land cover transformations; Responding to local land cover transformations). Students will investigate a local land or water management at Nudgee Beach through a field investigation that relies on the collection of primary data and information which can be directly aligned to internal assessment 2 (IA2). This whole day program allows schools to choose between foreshore plant communities, invasive weeds, litter, water quality analysis, and land management (erosion) focus for their internal assessment.

During this field study students will;

- Examine the geographical processes that result in land cover change at a local level and how these processes shape the identity of Nudgee Beach
- Use the geographical inquiry model to develop a plan and carry out an investigation on how to manage local land cover
- Identify the methodology to be used, data required and appropriate methods for data collection
- Collect primary data on plant communities, invasive weeds, water and land quality e.g.
    - Water quality
    - Water volume and flood levels
    - Abiotic and biotic factors
    - Weed invasion and revegetation strategies
- Consider development changes and impact issues in relation to schools chosen focus (plant communities, invasive weeds, water quality analysis, and land management)
- Comprehend geographical patterns by recognising spatial patterns of land cover change at a local scale, identifying relationships and implications for people and places
- Analyses geographic data and information by selecting and interpreting fieldwork data to infer how patterns, trends and relationships represent a geographical challenge for Nudgee beach.

Post –program support

Students will be provided with a set of primary data (qualitative and quantitative) and information that they can select, interpret, extrapolate and directly apply to successful complete a high level field report (IA2)